

Sphenarches zanclistes (Lepidoptera: Pterophoridae) new for Japan and Thailand

Takahiro Mano & Cees Gielis

Abstract. *Sphenarches zanclistes* (Meyrick, 1905) is recorded new for the fauna of Japan and Thailand. *Megalorhipida deboeri* Gielis, 2003 is recognized as a junior synonym of *Sphenarches zanclistes* (Meyrick, 1905). A new hostplant is recorded: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Samenvatting. *Sphenarches zanclistes* (Lepidoptera: Pterophoridae) nieuw voor Japan en Thailand. *Sphenarches zanclistes* (Meyrick, 1905) wordt nieuw gemeld voor de fauna van Japan en Thailand. *Megalorhipida deboeri* Gielis, 2003 is gemeld als junior synonym of *Sphenarches zanclistes* (Meyrick, 1905). Een nieuwe voedselplant wordt gemeld: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Résumé. *Sphenarches zanclistes* (Lepidoptera: Pterophoridae), espèce nouvelle pour le Japon et la Thaïlande. *Sphenarches zanclistes* (Meyrick, 1905) nouveau pour la faune du Japon et de Thaïlande. *Megalorhipida deboeri* Gielis, 2003 est considéré comme synonyme plus récent de *Sphenarches zanclistes* (Meyrick, 1905). Une plante nourricière nouvelle est mentionnée: *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae).

Keywords. Lepidoptera – Pterophoridae – Japan – Thailand – new synonym – species nova fauna – hostplant.

Mano T.: Toyota Yahagi River Institute, 2-19 Nishi-Machi, Toyota-shi, Aichi, 490-1225 Japan. manotaka@yahagigawa.jp

Gielis C.: Naturalis Biodiversiteits Centrum, P.O. Box 9517, NL-2300 RA Leiden, The Netherlands (former: RMNH, Rijksmuseum voor Natuurlijke Historie). pterophoridae@gmail.com

Introduction

The first author recently examined Pterophoridae specimens. Among these a species was recognized to be closely related to *Sphenarches anisodactylus* (Walker, 1864). At closer examination, the difference of a more slender shape of the second fore wing lobe became apparent. The genital examination of these specimens made clear we dealt with *S. zanclistes* (Meyrick, 1905), a species known from the southern and south-eastern parts of Asia. With the present finds it is obvious the species has a distribution much further north than was anticipated before.

The second author compared the specimens with the type of *S. zanclistes* in the British Museum, and with a species he described from the island Irian Jaya, Indonesia: *Megalorhipida deboeri* Gielis, 2003. This led to the conclusion that *M. deboeri* is a junior synonym of *Sphenarches zanclistes* (Meyrick, 1905).

Sphenarches zanclistes (Meyrick, 1905)

Oxyptilus zanclistes Meyrick, 1905: 582. LT: Burma.

Megalorhipida deboeri Gielis, 2003: 357. LT: Indonesia, Irian Jaya. **Syn. n.**

Material: 1♂, JAPAN, Yabuchi-jima, Uruma-shi, Okinawa Pref. (Okinawa Island), 20-24.viii.2012, em. 5–10.viii.2012 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum*

(Verbenaceae), gen. Mano 1434 (Coll. T. Mano); 3♂, 4♀, same data; 1 male, JAPAN, Kochinda, Yaese-cho, Okinawa Pref. (Okinawa Island), 10.ix.2002 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae), gen. Mano 1101 (Coll. T. Mano); 1♂, same locality, 7.ix.2002 e.l. same host, gen. Mano 1436 (Coll. T. Mano); 1♂, 1♀, same locality, 22-30.viii.2004 (leg. S. Tominaga), e.l. same host (Coll. RMNH); 5♂, 2♀, same locality, 10–19.viii.2002 (leg. S. Tominaga) (Coll. T. Mano, RMNH); 1♂, JAPAN, Itoman-shi, Okinawa Pref. (Okinawa Island), 12.viii.2004 (leg. S. Tominaga), e.l. flower bud *Clerodendrum trichotomum* var. *esculentum* (Verbenaceae) (Coll. T. Mano); 2♀, JAPAN, Mt. Otheadake, Nakijin-son, Okinawa Pref. (Okinawa Island), 8.ix.2008 (leg. M. Kimura) (Coll. T. Mano); 1♀, JAPAN, Banna-park, Tonoshiro, Ishigaki-shi, Okinawa Pref. (Ishigaki Island), 20.xii.2011 (leg. T. Hanatani) (Coll. T. Mano); 1♀, JAPAN, Midara, Taketomi-cho, Okinawa Pref. (Iriomote Island), 13.xii.2012 (leg. M. Kimura) (Coll. T. Mano); **New hostplant. New for Japan.**

2♀, THAILAND, Wiang, Pa Pao, Chang Rai, 1-5.v.2001 (Coll. T. Mano). **New for Thailand.**

Acknowledgements

We express our sincere gratitude to Mr. S.Tominaga (Okinawa) for offering material and providing information about host plant, Mr. M. Kimura (Okinawa) and Mr. M. Yamada (Ishigaki Is.) for offering material.

References

- Gielis C. 2003. Review of the Pterophoridae from New Guinea, with descriptions of eight new species. — *Zoologische Mededelingen, Leiden* **77**: 349–391.
- Meyrick E. 1905. Description of Indian microlepidoptera. — *Journal of the Bombay Natural History Society* **16**: 580–619.
- Walker F. 1864. *List of the specimens of lepidopterous insects in the collection of the British Museum* **30**. Tineites. — The Trustees of the British Museum, London, pp. 837–1096.